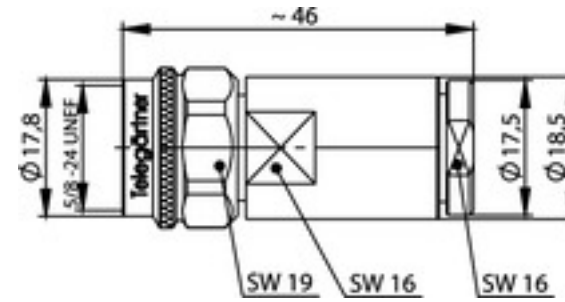


# N

order number: J01020A0156



Fig. may differ



N straight plug G37 (2.7/7.25)

## Technical Attributes

Cable group: cable

G37 (2.7/7.25)  
AIRCOM PREMIUM  
9913F  
2.7/7.3 AF  
2.7/7.3 CF  
213CRT7 LOW LOSS  
7810A  
9913  
9914  
C2FCP  
C2FP  
CNT-400  
EC 400  
HPF 400  
LMR-400  
MRC 400 AFB  
TZC 500 32  
WBC-400  
WCX400  
SPEEDFOAM 400 HFJ  
AIRCOM PREMIUM  
RF 400 TT  
02Y(St)C(St)H 2.6/7.3 AF  
213RT5  
H 1000  
H 2000  
RT 50/20

Remarks

spring/clamp; field mount type; IP67, barrier sealed

Assembly

B87

## Description of the Series/Product Category

Notice: The following information refer to the series/product category as a whole. Please see the specific datasheet for specific technical information of a particular product.

The N series is a very popular coax connector. It is a medium sized, precision, weatherproof connector supplied with a screw coupling. In some applications this connector can be used up to 11 GHz. Only 50 Ω impedances are available. Connector styles are available for flexible, conformable, semi-rigid and corrugated cable types. Both crimp and clamp cable termination processes are used for this series. Special design techniques for this series of connectors have resulted in excellent levels of performance with regard to return loss (VSWR) and intermodulation distortion. Applications for these connectors vary from signal and data transmission where vibration resistance and environmental protection is required. N series provides a medium-power high-frequency solution for coax connections.

Mating face sealing for N connectors between plug and jack (mated) according to IP 68. The classifications are general statements for the relevant series. Individual connectors may deviate from the values shown. If in doubt, please consult our engineers.

### Mechanical Characteristics

Recommended coupling torque	4 - 6 Nm
Durability (Steckungen)	≥ 500
Material: spring contacts	CuBe2, CuNi1Pb1P(C97)
Material: outer conductor	CuZn39Pb3
Material: other metal parts	CuZn39Pb3
Material: insulators	PTFE
Material: gaskets	Silicone, NBR
Finish: Inner conductor	Cu2Ag5
Finish: Outer conductor	CuSnZn3 (Telealloy); Ag2CuSnZn0.5 (Optargen)
Finish: Other metal parts	CuSnZn3 (Telealloy), Cu2Ni5

### Climatic Characteristics

Climatic category acc. to IEC 60068 - 1 55/155/21

### Electrical Characteristics

Contact resistance inner conductor	≤ 1.5 mΩ
Contact resistance outer conductor	≤ 1 mΩ
Insulation resistance	≥ 5 GΩ
Voltage proof	2.5 kVeff/50 Hz

Impedance

50  $\Omega$

Return loss: Straight style

$\geq 30.5$  dB/1 GHz

Return loss: Angle style

$\geq 30.5$  dB / 1 GHz

Working voltage

$\leq 1$  kVeff/50 Hz